

# Technical Manual

## Health And Safety Guidance

### General Health and Safety Precautions

#### Device Handling

- Ensure HS2 Tablet (HS2-T) and the HS2 Dongle(HS2-OTG) is securely mounted or placed to prevent accidental drops.
- Avoid using the HS2 Tablet (HS2-T) and the HS2 Dongle(HS2-OTG) in environments where it may be exposed to water or excessive moisture.

#### Heat Management

- Monitor the HS2 Tablet (HS2-T) temperature regularly. Exposure to high ambient temperatures may cause the device to overheat.
- If the HS2 Tablet (HS2-T) becomes excessively hot to touch, discontinue use immediately and allow it to cool down before resuming operation.

#### Electrical Safety

- Use only the manufacturer's provided power supply (HS2-EPS) or a WHO M2M accredited power source.
- Avoid overcharging the HS2 Tablet (HS2-T) to prevent battery damage and potential fire hazards.
- Ensure that charging cables are not damaged or frayed and are kept away from heat sources.

### Emergency Situations

#### Overheating or Fire

- If any part of the device begins to overheat or emits smoke, turn them off immediately and disconnect from any power source.

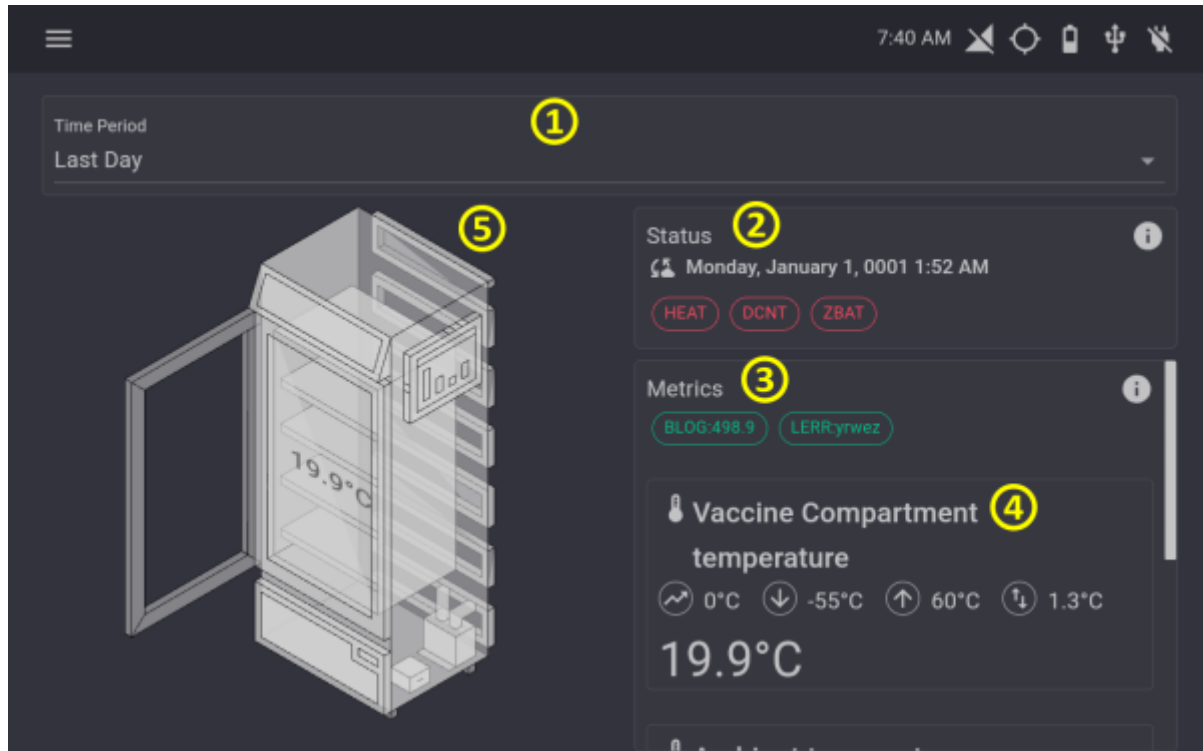
#### Battery Leaks

- In case of battery leakage, avoid contact with the leaked material. If contact occurs, wash the affected area with plenty of water and seek medical attention.

## Basic operations

### Dashboard

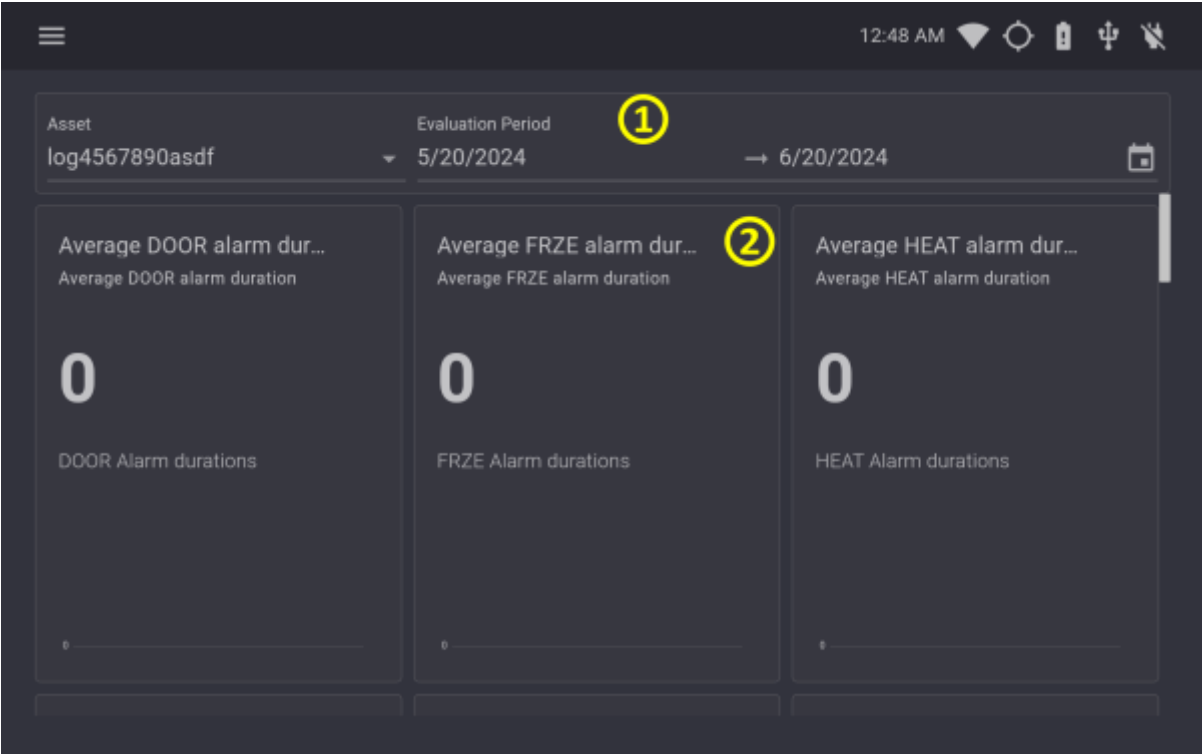
This page displays the following:



1. A drop down menu where the asset can be changed
2. The current status of the fridge and if any alarms are active
3. Logger errors
4. The fridge metrics e.g Vaccine Compartment temperature
5. A diagram showing fridge temperatures/alarms

### KPI (Key Performance Indicator) page

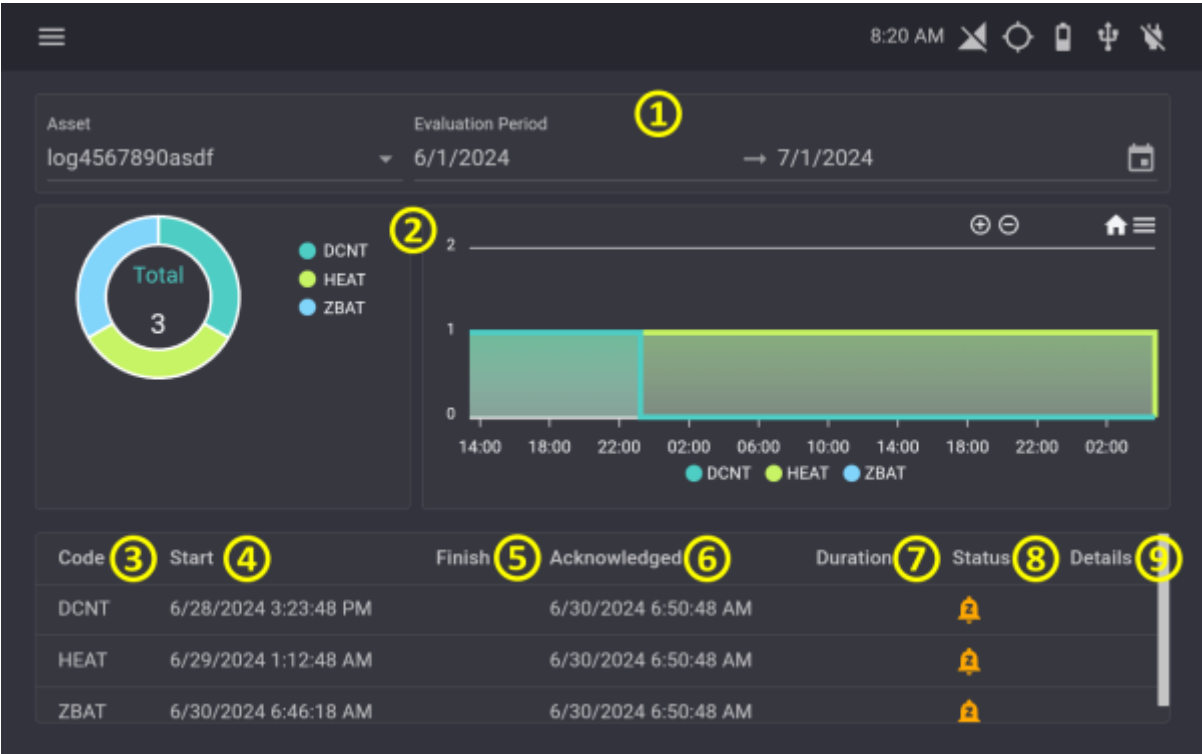
This page displays the following:



- 1. A drop down menu where the time period and asset can be changed
- 2. Summaries for status of the fridge over a time period. E.g. Average HEAT alarm duration, total HEAT alarms etc.

Alarm History page

This page displays the following:



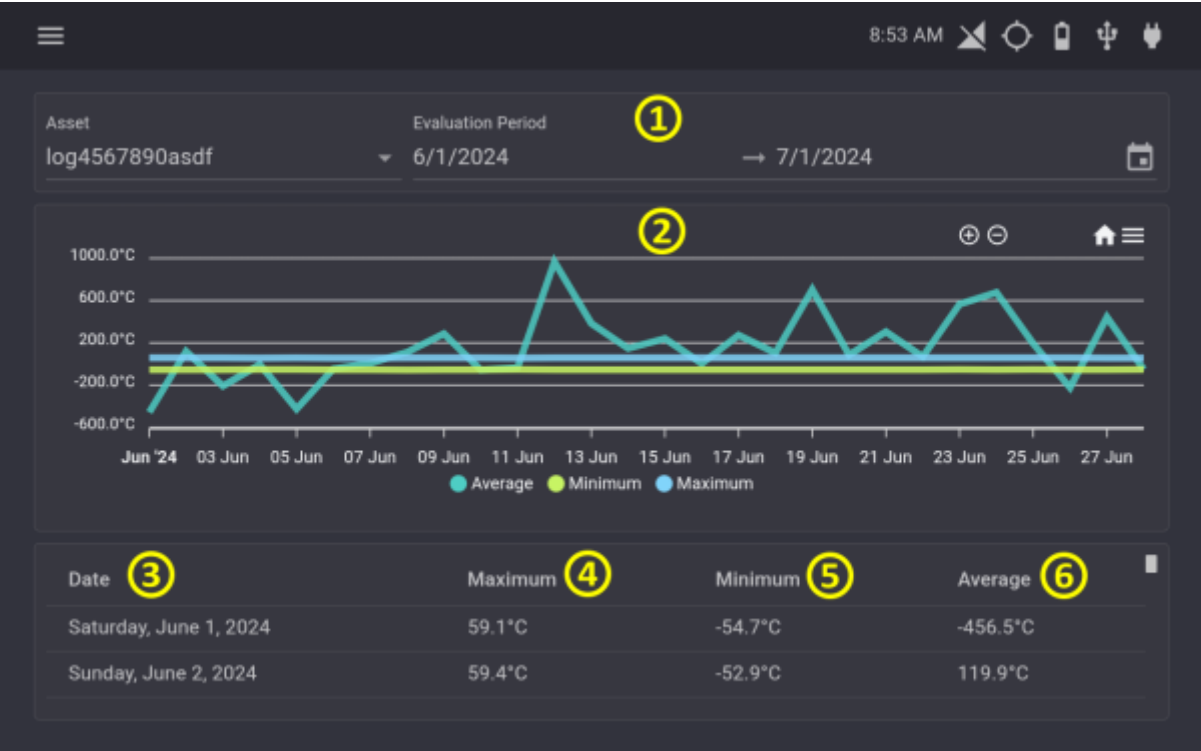
- 1. A drop down menu where the time period and asset can be changed
- 2. A donut chart and a stacked line chart showing showing trends in alarms over the selected time

period

- 3. The alarm code
- 4. The start time of the alarm (This may not be available if it is not within the selected time range)
- 5. The end time of the alarm (This may not be available if it is not within the selected time range)
- 6. Whether an alarm was acknowledged and the time it was acknowledged
- 7. Duration of the alarm
- 8. The alarm status (Active/Terminated)
- 9. Details about the fridge during the alarm

Summary page

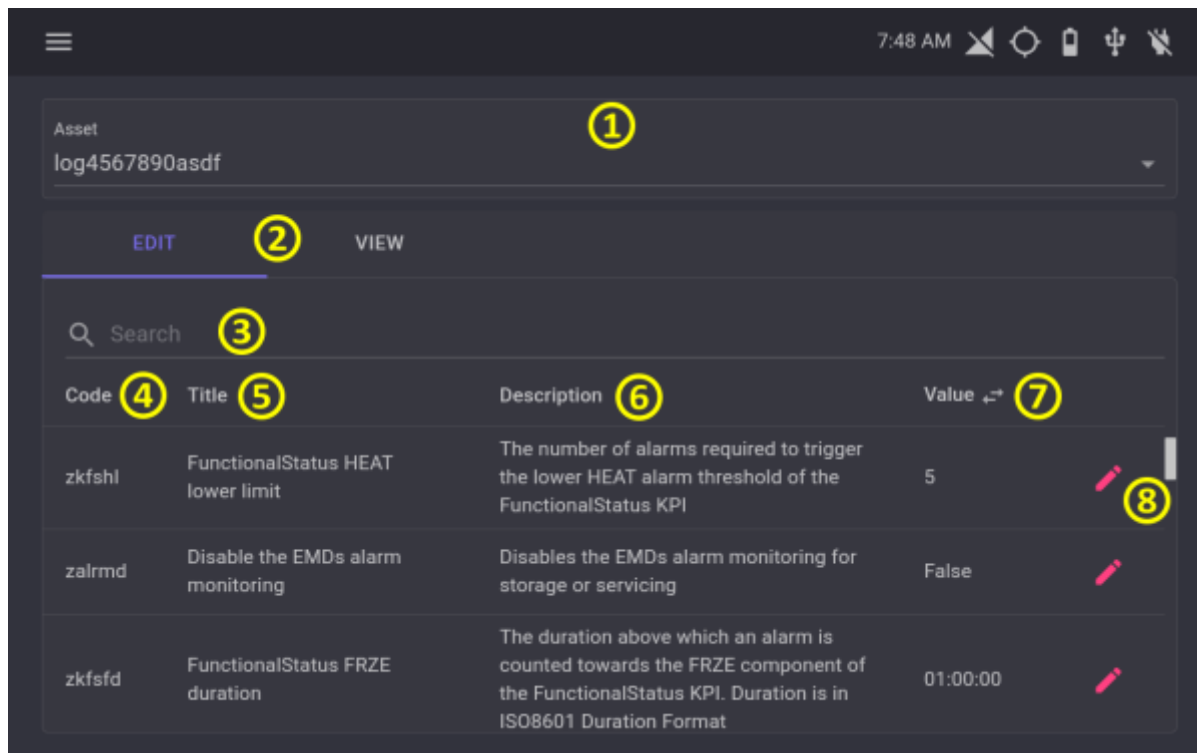
This page displays the following:



- 1. A drop down menu where the time period and asset can be changed
- 2. A chart showing trends in the average/maximum/minimum temperature of the asset
- 3. The date of the summary
- 4. The maximum temperature for the day
- 5. The minimum temperate for the day
- 6. The average temperate for the day

Parameters page

This page displays the following:



1. A drop down menu where the asset can be changed
2. Edit and view tabs which can be switched between
3. A search bar
4. The parameter code
5. The parameter title
6. The parameter description
7. The current value of the parameter
8. A button to edit the current value

## Logger errors page

This page displays the following:

Asset: log4567890asdf Evaluation Period: 5/20/2024 → 6/20/2024

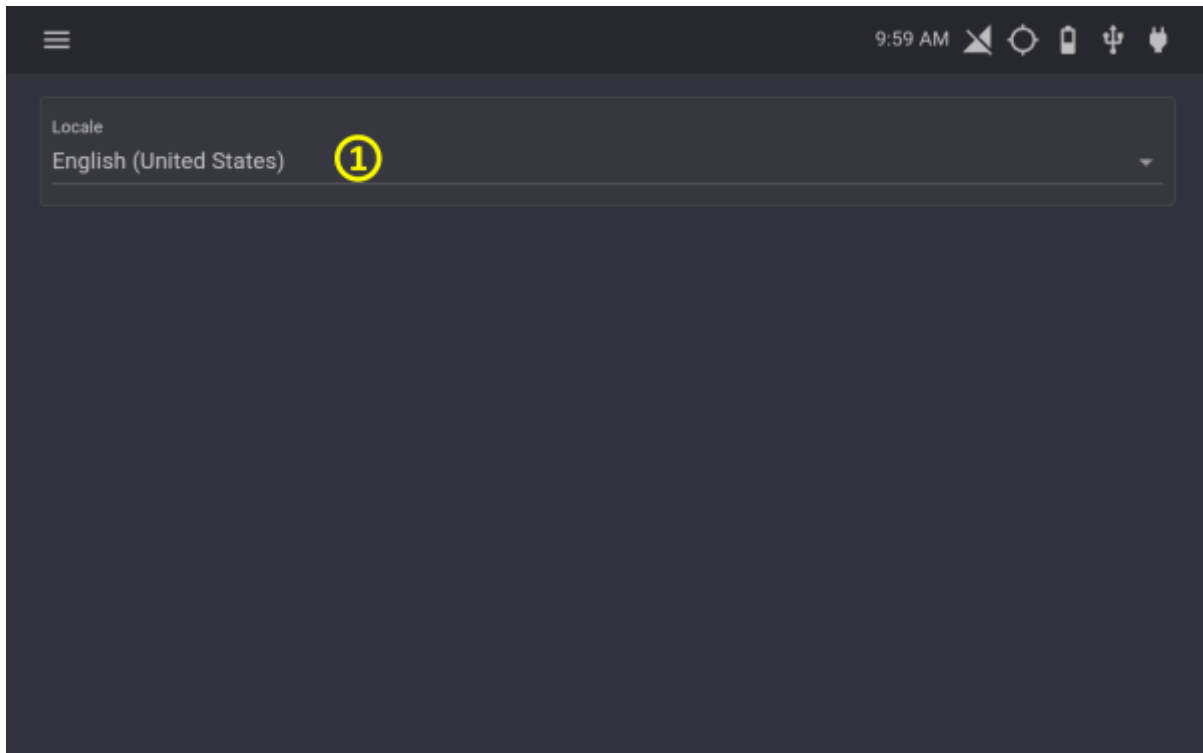
Search

Code	Start	Finish	Duration	Status
qpqjh	6/19/2024 8:13:28 AM	6/19/2024 8:28:28 AM	00:15:00	🔔
axxaf	6/19/2024 8:28:28 AM	6/19/2024 8:43:28 AM	00:15:00	🔔
puspo	6/19/2024 8:43:28 AM	6/19/2024 8:58:28 AM	00:15:00	🔔
kxkdd	6/19/2024 8:58:28 AM	6/19/2024 9:13:28 AM	00:15:00	🔔
chvdz	6/19/2024 9:13:28 AM	6/19/2024 9:28:28 AM	00:15:00	🔔
dchtk	6/19/2024 9:28:28 AM	6/19/2024 9:43:28 AM	00:15:00	🔔
ktstm	6/19/2024 9:43:28 AM	6/19/2024 9:58:28 AM	00:15:00	🔔

1. A drop down menu where the time period and asset can be changed
2. A search bar
3. The error code
4. The start time of the error (This may not be available if it is not within the selected time range)
5. The end time of the error (This may not be available if it is not within the selected time range)
6. Duration of the error
7. The error status (Active/Terminated)

## Preferences page

This page displays the following:



1. A drop-down menu which allows you to change the EMD language (N.B An app restart is required to apply the effects of the change)

## Preventative tasks

### Power Supply Check

Ensure power cable (HS2-BFMJ) and USB connection (HS2-CTC) are secure and undamaged. Please ensure the cables are not placed under strain to avoid unintentional damage.

### Environmental Monitoring

Verify the surrounding temperature and humidity are within safe limits.

### Screen Cleaning

Clean the screen with a microfiber cloth to remove dust and smudges.

### Visual Inspection

Check the HS2 Tablet (HS2-T) and the HS2 Dongle (HS2-OTG) for physical damage, particularly around the mounting points.

## **Mounting Security**

Ensure the HS2 Tablet (HS2-T) and the HS2 Dongle (HS2-OTG) is securely mounted and not at risk of falling.

## **Cable Management**

Organize and secure any cables to prevent wear and accidental disconnection.

## **Port Inspection**

Check charging and other ports for dust and damage.

## **Correct handling**

### **Avoid Extreme Temperatures**

Do not expose the HS2 Tablet (HS2-T) and the HS2 Dongle (HS2-OTG) to extreme temperatures, including direct sunlight, high heat, or freezing conditions.

### **Handle with Care**

Handle the HS2 Tablet (HS2-T) and the HS2 Dongle (HS2-OTG) gently to avoid impacts or drops.

### **Keep Clean**

Keep the HS2 Tablet (HS2-T) clean and free from dust, dirt, and moisture. Use a soft, dry cloth to clean the screen and the device's exterior regularly.

### **Avoid Liquids**

Do not expose the HS2 Tablet (HS2-T) and HS2 Dongle (HS2-OTG) to liquids or moisture. Avoid using the device in humid environments or near water sources.

### **Proper Storage**

When not in use, store the HS2 Tablet (HS2-T) and the HS2 Dongle (HS2-OTG) in a cool, dry place. Avoid storing it in direct sunlight or near heat sources.



## Charging

Use only the provided charger and charging cable to charge the HS2 Tablet (HS2-T) and the HS2 Dongle (HS2-OTG). Overcharging or using incompatible chargers can damage the device.

## Battery Care

Avoid overcharging or completely discharging the battery. Follow the manufacturer's recommendations for battery care.

## Seek Professional Help

If you encounter any issues with the tablet's temperature monitoring or functionality, seek assistance from a qualified technician or the manufacturer's customer support.

## Installation Procedure

### Unpack

Check your product box contains the following items:

- HS2 Tablet (HS2-T)
- HS2 Dongle (HS2-OTG)
- 2x USB-C-TO-C (HS2-CTC)
- Female to male barrel jack (HS2-BFMJ)
- Instructions Label (HS2-LI)
- Power Supply (HS2-EPS)

### Install

1. Secure the HS2 Tablet (HS2-T) to the fridge using double sided tape.
2. Plug in and secure the HS2 Dongle (HS2-OTG) to the HS2 Tablet using the USB-C-TO-C cable (HS2-CTC).
3. Plug in the WHO M2M accredited power supply or the HS2-ESP power supply to the HS2 Dongle (HS2-OTG) using the Female to Male barrel jack (HS2-BFMJ).
4. Plug in the USB/Logger to the HS2 Dongle using the USB-C-TO-C (HS2-CTC) cable.
5. Power on the HS2 Tablet (HS2-T).

*Please ensure that all cables are not placed under strain to avoid unintentional damage.*

## Diagnostic and repair procedures

## Cable frayed/damaged

If you encounter any damage to the cables provided (HS2-CTC, HS2-BFMJ), turn the HS2 Tablet (HS2-T) and power supply off immediately and disconnect from any power source (HS2-EPS). A replacement cable will then need to be provisioned from the manufacturer.

## HS2 Tablet (HS2-T) not powering up or HS2 Tablet (HS2-T) is not receiving data

Check that the USB-C-TO-C cable (HS2-CTC) is connected and secured to the HS2 Dongle (HS2-OTG). If the device is still not receiving power, check that the female to male barrel jack (HS2-BFMJ) is connected to both the HS2 Dongle (HS2-OTG) and the WHO M2M accredited power supply or the provided power supply (HS2-EPS).

## Itemized list of spare parts including part numbers

- HS2 Tablet (HS2-T)
- HS2 Dongle (HS2-OTG)
- 2x USB-C-TO-C (HS2-CTC)
- Female to male barrel jack (HS2-BFMJ)
- Instructions Label (HS2-LI)
- Power Supply (HS2-EPS)

## End-of-life resource recovery and recycling

### Disposal Regulations

Follow local regulations and guidelines for electronic waste disposal. Some regions have specific rules for disposing of electronic devices.

### Recycling Centres

Locate a certified e-waste recycling centre in your area. These facilities are equipped to handle electronic devices safely and ensure that valuable materials are recovered.

## Warranty

**This limited warranty applies only to MY FRIDGE ONLINE (PTY) LTD hardware products, acquired for personal use and not for resale, due to manufacturing defects.** All returns (RMA) must include a proof of purchase\*\*

Any accessories, such as cables, chargers, and user manuals, must be included in the returned

packaging. Shipping costs are to be covered by the customer; we cannot issue return shipping labels, and a tracking number must be provided in advance. Products must be free from any kind of damage, such as dents, scratches, cracks, abuse, disfigurement, or evidence of removed screws or seals.

Send the equipment in the best possible protection at the time of packaging, to prevent any accidents or alterations. In case you do not have the original packaging, please send the product in a box with appropriate dimensions for transportation, not damaged, and with sufficient protection.

If the product you are returning does not meet the described requirements, MY FRIDGE ONLINE (PTY) LTD will photograph the merchandise and packaging, prepare a detailed summary with our determination of why the return was denied, and the product will be returned to you.

All returned products will be thoroughly inspected, and it will be determined if they meet eligibility and compliance requirements. Ensure that the product you are returning meets the guidelines below and qualifies for the return to avoid delays or denial of the return processing. Return processing may take up to 4 weeks from the time your product is received.

Returns will only be accepted and processed if a valid Return Merchandise Authorization (RMA) number is assigned to you. Any return we receive without a valid RMA number will be documented and rejected. MY FRIDGE ONLINE (PTY) LTD will not be responsible for returned items that are lost or damaged during transportation.

## **Service Warranty Responsibility**

Before warranty service is provided, you must follow these steps:

- Back up or protect all programs and data contained in the product. Provide all system keys or passwords. Delete all data, including confidential, proprietary, and personal information, from the product, or if you cannot delete such information, modify the information to prevent access by others or to render it non-personal data according to applicable law.
- MY FRIDGE ONLINE (PTY) LTD will not be responsible for the loss or disclosure of any data, including confidential information, proprietary information, or personal information, on a returned product or one accessed for warranty service.
- Remove all features, parts, options, alterations, and accessories not covered by the warranty.
- Ensure that the product or part is free from legal restrictions that prevent its replacement.
- Obtain owner authorization for the service provider to provide warranty service if you are not the owner.

## **Limited Warranty:**

This warranty does not cover costs associated with determining the source of system problems or the removal, service, or installation of MY FRIDGE ONLINE (PTY) LTD products. This warranty excludes third-party software, connected equipment, or stored data. Therefore, MY FRIDGE ONLINE (PTY) LTD is not responsible for any loss or damage attributable to third-party software, connected equipment, or stored data. In the event of a claim, MY FRIDGE ONLINE (PTY) LTD 's sole obligation will be to issue a refund or replacement of the hardware.

## Limited Warranty DOES NOT Cover:

Any cost associated with repairing or replacing the product, including labor costs, installation, or other costs incurred by the product owner, and in particular, any cost related to the removal or replacement of any product that is soldered or otherwise permanently affixed to any printed circuit board; OR

Damage to the product due to external causes, including accidents, issues with power, abnormal electrical, mechanical, or environmental conditions, non-compliance with product instructions, misuse, negligence, alteration, repair, incorrect installation, or improper testing; OR

Any product that has been modified or operated outside of specifications or where the original identification marks (trademark or serial number) have been removed, altered, or obliterated from the product, or where the label or screw on the exterior of the product has been removed or broken.

In the event of receiving a product with physical damage due to improper packaging, the company is not responsible, and its warranty is voided. Upon receiving your product, please include the following statement: "Subject to review for possible damage due to mishandled packaging and/or loss." If this statement is not present on the shipping label, no claim will be processed, and we disclaim any liability.

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